

#### **FATENT COOPERATION TREATY**

#### From the INTERNATIONAL BUREAU

| PCT   | То:   |
|---|---|
| NOTIFICATION OF ELECTION  | Assistant Commissioner for Patents United States Patent and Trademark |
| (PCT Rule 61.2)   | Office  |
|   | Box PCT Washington, D.C.20231 ÉTATS-UNIS D'AMÉRIQUE                   |
| Date of mailing:  |   |
| 09 March 2000 (09.03.00)  | in its capacity as elected Office                                     |
| International application No.: PCT/JP99/04609   | Applicant's or agent's file reference: 099119WO00                     |
| International filing date:<br>26 August 1999 (26.08.99)   | Priority date: 31 August 1998 (31.08.98)                              |
| Applicant:<br>ISHIHARA, Tomohiro et al  |   |
| 1. The designated Office is hereby notified of its election made in the demand filed with the International preliminary 24 January 20 in a notice effecting later election filed with the International preliminary 24 January 20 in a notice effecting later election filed with the International Preliminary 29 in a notice effecting later election filed with the International Preliminary 20 in a notice effecting later election filed with the International Preliminary 20 in a notice effecting later election filed with the International Preliminary 20 in a notice effecting later election filed with the International Preliminary 20 in a notice effecting later election filed with the International Preliminary 20 in a notice effecting later election filed with the International Preliminary 20 in a notice effecting later election filed with the International Preliminary 20 in a notice effecting later election filed with the International Preliminary 20 in a notice effecting later election filed with the International Preliminary 20 in a notice effecting later election filed with the International Preliminary 20 in a notice effecting later election filed with the International Preliminary 20 in a notice effecting later election filed with the International Preliminary 20 in a notice effecting later election filed with the International Preliminary 20 in a notice effecting later election filed with the International Preliminary 20 in a notice effecting later election filed with the International Preliminary 20 in a notice effecting later election filed with the International Preliminary 20 in a notice effecting later election filed with the International Preliminary 20 in a notice effecting later election filed with the International Preliminary 20 in a notice effecting later election filed with the International Preliminary 20 in a notice effecting later election filed with the International Preliminary 20 in a notice election filed with the International Preliminary 20 in a notice election filed with the International Pre | y Examining Authority on: 000 (24.01.00)  national Bureau on:         |
| The International Bureau of WIPO<br>34, chemin des Colombettes  | Authorized officer:   |
| 1211 Geneva 20, Switzerland   | l Zahra   |

J. Zahra

Facsimile No.: (41-22) 740.14.35

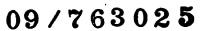
#### INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP99/04609

|                 | A. CLASSIFICATION OF SUBJECT MATTER Int.Cl <sup>6</sup> C03B8/04, C03B20/00, C03B37/014  |   |   |  |
|-----------------|--|---|---|--|
| According t     | o International Patent Classification (IPC) or to both na  | ational classification and IPC  |   |  |
| B. FIELD        | S SEARCHED   |   |   |  |
|                 | ocumentation searched (classification system followed Cl <sup>6</sup> C03B8/04, C03B19/14, C03B2   |   |   |  |
| Jits<br>Koka    | ion searched other than minimum documentation to the<br>uyo Shinan Koho 1926-1996<br>i Jitsuyo Shinan Koho 1971-1999   | Toroku Jitsuyo Shinan K<br>Jitsuyo Shinan Toroku K  | oho 1994-1999<br>oho 1996-1999                      |  |
|                 | ata base consulted during the international search (name of the consulted during the international search (name of the consultation), REGISTRY (STN), WPI (STN)  | e of data base and, where practicable, sea  | rch terms used)                                     |  |
| C. DOCU         | MENTS CONSIDERED TO BE RELEVANT  |   |   |  |
| Category*       | Citation of document, with indication, where ap  |   | Relevant to claim No.                               |  |
| A               | JP, 07-081962, A (Sumitomo Electric Industries, Ltd.), 1-28 March, 1995 (28.03.95), Claims (Family: none)  |   |   |  |
| A               | JP, 06-256035, A (Sumitomo Electric Industries, Ltd.), 1-8 13 September, 1994 (13.09.94), Claims & US, 5693115, A  |   |   |  |
| А               | JP, 05-024854, A (Sumitomo Electron 1993), Claims & US, 5330548, A   | tric Industries, Ltd.),   | 1-8   |  |
|                 |  |   |   |  |
|                 | r documents are listed in the continuation of Box C.   | See patent family annex.  |   |  |
| "A" docume      | categories of cited documents: ent defining the general state of the art which is not red to be of particular relevance document but published on or after the international filing                                | "T" later document published after the inter<br>priority date and not in conflict with the<br>understand the principle or theory under<br>"X" document of particular relevance; the c | e application but cited to<br>orlying the invention |  |
| date "L" docume | ent which may throw doubts on priority claim(s) or which is<br>establish the publication date of another citation or other   | considered novel or cannot be consider step when the document is taken alone  "Y" document of particular relevance; the c   | ed to involve an inventive                          |  |
| "O" docume      | reason (as specified) ent referring to an oral disclosure, use, exhibition or other  | considered to involve an inventive step<br>combined with one or more other such   | when the document is documents, such                |  |
| "P" docume      | means  Combination being obvious to a person skilled in the art  document published prior to the international filing date but later  "&" document member of the same patent family than the priority date claimed |   |   |  |
|                 | actual completion of the international search<br>secember, 1999 (06.12.99)   | Date of mailing of the international searce 14 December, 1999 (1  |   |  |
|                 | ailing address of the ISA/<br>nese Patent Office   | Authorized officer  |   |  |
| Facsimile No.   |  | Telephone No.   |   |  |

今後の手続きについては、国際調査報告の送付通知様式(PCT/ISA/220)





出願人又は代理人

PCT

国際調査報告

) (法8条、法施行規則第40、41条) (PCT18条、PCT規則43、44)

| の書類記号 099119WO00                                 |                |           | 及で    | び下記 5      | を参照すること。       |                                    |
|--|----------------|-----------|-------|------------|----------------|------------------------------------|
| 国際出願番号 PCT/JP99/04609                            | 国際出願日(日.月.年)   | 28.       | 08.   | 9 9        | 優先日<br>(日.月.年) | 31.08.98                           |
| 出願人 (氏名又は名称)<br>住友電気工業株式会社                       |                |           |       |            |                |                                    |
|  |                |           |       | ***        |                |                                    |
| 国際調査機関が作成したこの国際調 この写しは国際事務局にも送付され                |                | 規則第41条    | € (P( | CT18       | 条)の規定に従い       | 出願人に送付する。                          |
| この国際調査報告は、全部で2                                   | ページであ          | る。        |       |            |                |                                    |
| この調査報告に引用された先行                                   | 支術文献の写し        | も添付され<br> | ている   | <b>5</b> . |                |                                    |
| 1. 国際調査報告の基礎<br>a. 言語は、下記に示す場合を除<br>この国際調査機関に提出さ |                |           |       |            |                | うた。                                |
| b. この国際出願は、ヌクレオチ                                 |                |           | でおり   | り、次の       | 配列表に基づき国       | 際調査を行った。                           |
| □ この国際出願と共に提出さ                                   | れたフレキシブ        | ブルディス     | クによ   | る配列        | 長              |                                    |
| 出願後に、この国際調査機                                     | 関に提出された        | 書面によっ     | る配列   | 表          |                |                                    |
| 出願後に、この国際調査機                                     |                |           |       | -          | マトス和別主         |                                    |
|  |                |           | -     | •          |                | る事項を含まない旨の陳述                       |
| ■ 書の提出があった。<br>■ 書面による配列表に記載し<br>書の提出があった。       | た配列とフレキ        | ・シブルデ     | ィスク   | による        | 紀列表に記録した       | 配列が同一である旨の陳述                       |
| 2. 請求の範囲の一部の調査が                                  | ができない (第       | I 欄参照)    | •     | •          |                |                                    |
| 3. 発明の単一性が欠如してい                                  | へる(第Ⅱ欄参        | 照)。       |       |            |                |                                    |
| 4. 発明の名称は 🗓 出                                    | 類人が提出した        | ものを承認     | する。   |            |                |                                    |
| □ 次日   | こ示すように国        | 際調査機関     | が作品   | 戊した。       |                |                                    |
|  |                |           |       |            |                | •                                  |
| 5. 要約は 🗓 出版                                      | 類人が提出した        | ものを承認     | まする。  |            |                |                                    |
| 国国   |                | 成した。出     | 願人    | は、この       | 国際調査報告の発       | ∄則38.2(b)) の規定により<br>₹送の日から1カ月以内にこ |
| 6. 要約書とともに公表される図は、                               |                |           |       |            |                |                                    |
| 第 1 図とする。 出                                      | <b>顏人が示したと</b> | おりである     |       |            | ロな             | L                                  |
| X 出  | 類人は図を示さ        | なかった。     |       |            |                |                                    |
| . 🗆 *  | 団は怒服の悠然        | シータ トノ    | 建1 ~  | ている        |                |                                    |

#### Α. 発明の属する分野の分類(国際特許分類(IPC))

Int. Cl. 6 C03B8/04, C03B20/00, C03B37/014

#### 調査を行った分野

調査を行った最小限資料(国際特許分類(IPC))

Int. Cl. 6 C03B8/04, C03B19/14, C03B20/00, C03B37/014

最小限資料以外の資料で調査を行った分野に含まれるもの

日本国実用新案公報

1926~1996年

日本国公開実用新案公報

1971-1999年

日本国登録実用新案公報

1994-1999年

日本国実用新案登録公報

1996-1999年

国際調査で使用した電子データベース(データベースの名称、調査に使用した用語)

CA (STN), REGISTRY (STN), WPI (STN)

#### 関連すると認められる文献 引用文献の 関連する カテゴリー\* 引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示 請求の範囲の番号 Α JP, 07-081962, A, (住友電気工業株式会社) 28. 3月. 1995 (28. 03. 95) 特 1 - 8許請求の範囲(ファミリーなし) JP,06-256035,A,(住友電気工業株式会社)13.9月.1994(13.09.94)特 Α 1-8 許請求の範囲&US. 5693115. A Α JP,05-024854,A,(住友電気工業株式会社)2.2月.1993(02.02.93)特 1-8許請求の範囲&US.5330548.A

#### | | C欄の続きにも文献が列挙されている。

パテントファミリーに関する別紙を参照。

- 引用文献のカテゴリー
- 「A」特に関連のある文献ではなく、一般的技術水準を示す もの
- 「E」国際出願日前の出願または特許であるが、国際出願日 以後に公表されたもの
- 「L」優先権主張に疑義を提起する文献又は他の文献の発行 日若しくは他の特別な理由を確立するために引用する 文献 (理由を付す)
- 「O」口頭による開示、使用、展示等に言及する文献
- 「P」国際出願日前で、かつ優先権の主張の基礎となる出願

- の日の後に公表された文献
- 「T」国際出願日又は優先日後に公表された文献であって て出願と矛盾するものではなく、発明の原理又は理 論の理解のために引用するもの
- 「X」特に関連のある文献であって、当該文献のみで発明 の新規性又は進歩性がないと考えられるもの
- 「Y」特に関連のある文献であって、当該文献と他の1以 上の文献との、当業者にとって自明である組合せに よって進歩性がないと考えられるもの
- 「&」同一パテントファミリー文献

国際調査を完了した日 国際調査報告の発送日 06, 12, 99 14.12.99 国際調査機関の名称及びあて先 特許庁審査官(権限のある職員) 4 T 9728 日本国特許庁(ISA/JP) 深草 祐一 郵便番号100-8915 東京都千代田区霞が関三丁目4番3号 電話番号 03-3581-1101 内線 3463

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#### 特許協力条約

REC'D 19 MAY 2000
WIPO PCT

3 4 6 3

PCT

#### 国際予備審査報告

(法第12条、法施行規則第56条) [PCT36条及びPCT規則70]

| 出願人又は代理人<br>の書類記号 099119WO00  |   |                               |  |  |  |  |
|---|---|-------------------------------|--|--|--|--|
| 国際出願番号<br>PCT/JP99/04609  |   |                               |  |  |  |  |
| 国際特許分類 (IPC)<br>Int.Cl  | . ' C03B8/04, C03B19/14, C03B20/00, C03B3               | 37/014                        |  |  |  |  |
| 出願人(氏名又は名称)   | 住友電気工業株式会社  |                               |  |  |  |  |
| 1. 国際予備審査機関が作成したこの[   | 国際予備審査報告を法施行規則第57条(P                                    | CT36条)の規定に従い送付する。             |  |  |  |  |
| 2. この国際予備審査報告は、この表紙   | 氏を含めて全部で3 ペー  | ジからなる。                        |  |  |  |  |
| □ この国際予備審査報告には、『<br>査機関に対してした訂正を含む<br>(PCT規則70.16及びPCT<br>この附属書類は、全部で |   | 基礎とされた及び/又はこの国際予備審<br>付されている。 |  |  |  |  |
| 3. この国際予備審査報告は、次の内容   | 手を含む。   |                               |  |  |  |  |
| I X 国際予備審査報告の基礎   |   |                               |  |  |  |  |
| Ⅱ □ 優先権   |   |                               |  |  |  |  |
| Ⅲ ∭ 新規性、進歩性又は産業   | 上の利用可能性についての国際予備審査幸                                     | 製告の不作成                        |  |  |  |  |
| IV  |   |                               |  |  |  |  |
| V X PCT35条(2)に規定す   | ▽ V X PCT35条(2)に規定する新規性、進歩性又は産業上の利用可能性についての見解、それを裏付けるため |                               |  |  |  |  |
| の文献及び説明<br>VI   |   |                               |  |  |  |  |
| VII 国際出願の不備   |   |                               |  |  |  |  |
| VII 国際出願に対する意見  |   |                               |  |  |  |  |
|   |   |                               |  |  |  |  |
|   |   |                               |  |  |  |  |
| 国際予備審査の請求書を受理した日 24.01.00   | 国際予備審査報告を   | 作成した日<br>08. 05. 00           |  |  |  |  |
| 名称及びあて先   | 特許庁審査官 (権限  | のある職員) 4T 9728                |  |  |  |  |

深草 祐一

電話番号 03-3581-1101 内線

東京都千代田区霞が関三丁目4番3号

日本国特許庁 (IPEA/JP) 郵便番号100-8915

| I. | 3   | 国際予備審査報   | 最告の基礎  |  |  |  |
|----|---|---|--|--|--|--|
| 1. | 1. この国際予備審査報告は下記の出願書類に基づいて作成された。(法第6条(PCT14条)の規定に基づく命令に<br>応答するために提出された差し替え用紙は、この報告書において「出願時」とし、本報告書には添付しない。<br>PCT規則70.16,70.17)               |   |  |  |  |  |
|    | X   | 出願時の国際  | <b>奈出願書類</b>                                 |  |  |  |
|    |   | 明細書<br>明細書<br>明細書   | 第<br>第<br>第                                  | ページ、<br>ページ、<br>ページ、                             | 出願時に提出されたもの<br>国際予備審査の請求書と共に提出されたもの<br>付の書簡と共に提出されたもの  |  |
|    |   | 請求の範囲<br>請求の範囲<br>請求の範囲   |  | 項、<br>項、<br>項、                                   | 出願時に提出されたもの<br>PCT19条の規定に基づき補正されたもの<br>国際予備審査の請求書と共に提出されたもの  |  |
|    |   | 請求の範囲   | •      | 項、   | 一 付の書簡と共に提出されたもの   |  |
|    |   | 図面<br>図面  | 第<br>第<br>第                                  | ページ/図、<br>ページ/図、<br>ページ/図、                       |  |  |
|    |   | 明細書の配列  | 刊表の部分 第<br>刊表の部分 第<br>刊表の部分 第                | ページ、<br>ページ、<br>ページ、                             | 出願時に提出されたもの<br>国際予備審査の請求書と共に提出されたもの<br>付の書簡と共に提出されたもの  |  |
| 2. | ١   | 上記の出願書類   | 質の言語は、下記に示す場                                 | <b>島合を除くほか、こ</b> の                               | の国際出願の言語である。   |  |
|    | ل   | 上記の書類は、   | 下記の言語である                                     | 語である   | 5.   |  |
|    | [<br>[<br>]   | PCT規  | のために提出されたPC<br>則48.3(b)にいう国際公<br>審査のために提出された | 網の言語   | う翻訳文の言語<br>は55.3にいう翻訳文の言語  |  |
| 3. | 3   | この国際出願に   | は、ヌクレオチド又はアミ                                 | ミノ酸配列を含んでは                                       | おり、次の配列表に基づき国際予備審査報告を行った。  |  |
|    |   | この願願の国際に出出の願願をしている。因の願願をしている。これでは、これでは、これでは、これでは、これでは、これでは、これでは、これでは、 | 、この国際予備審査(ま<br>提出した書面による配列<br>があった           | レキシブルディスク<br>たは調査)機関に提<br>たは調査)機関に提<br>表が出願時における | による配列表<br>出された書面による配列表<br>出されたフレキシブルディスクによる配列表<br>国際出願の開示の範囲を超える事項を含まない旨の陳述<br>スクによる配列表に記録した配列が同一である旨の陳述 |  |
| 4. |   | 明細書   | 下記の書類が削除された。<br>第<br>第                       | ページ  |  |  |
|    |   | 請求の範囲<br>図面   | 第<br>図面の第                                    |  | <b>ジ</b> /図  |  |
| 5. | 5. この国際予備審査報告は、補充欄に示したように、補正が出願時における開示の範囲を越えてされたものと認められるので、その補正がされなかったものとして作成した。(PCT規則70.2(c) この補正を含む差し替え用紙は上記1. における判断の際に考慮しなければならず、本報告に添付する。) |   |  |  |  |  |
|    |   |   |  |  |  |  |
|    |   |   |  |  | -  |  |

#### 国際予備審査報告

国際出願番号 PCT/JP99/04609

| 見解   |                              |            |      |
|--|------------------------------|------------|------|
| 新規性(N)   | 請求の範囲<br>請求の範囲<br>           | 1 – 8      |      |
| 進歩性(IS)  | 請求の範囲                        | 1 – 8      |      |
| 産業上の利用可能性(IA)                                    |                              | 1 - 8      | 有    |
| 文献及び説明(PCT規則70.7)                                |                              |            |      |
| 請求の範囲1乃至8について<br>請求項1乃至8に係る発明は<br>れておらず、当業者にとって自 | 、<br>、国際調査報告に引用<br>明なものでもない。 | されたいずれの文献に | も記載さ |
|  |                              |            |      |
|  |                              |            |      |
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|  |                              |            |      |
|  |                              |            |      |
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|  |                              |            |      |
|  |                              |            |      |
|  |                              |            |      |

Translation

# PATENT COOPERATION TREATY 09 / 763025 PCT

#### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

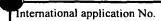
| Applicant's or agent's file reference 099119WO00   | FOR FURTHER ACTION   |                  | ionofTransmittalofInternational Preliminary<br>Report (Form PCT/IPEA/416)            |  |  |  |
|--|--|------------------|--|--|--|--|
| International application No.  | International filing date (day/r   | nonth/year)      | Priority date (day/month/year)   |  |  |  |
| PCT/JP99/04609   | 26 August 1999 (26.  | 08.99)           | 31 August 1998 (31.08.98)  |  |  |  |
| International Patent Classification (IPC) or national classification and IPC C03B 8/04, 19/14, 20/00, 37/014 |  |                  |  |  |  |  |
| Applicant  |  |                  |  |  |  |  |
| SUM  | ITOMO ELECTRIC IND   | USTRIES, I       | LTD.   |  |  |  |
|  |  |                  |  |  |  |  |
| This international preliminary exami<br>and is transmitted to the applicant ac                               |  | by this Intern   | ational Preliminary Examining Authority  |  |  |  |
| 2. This REPORT consists of a total of  | 3 sheets, including  | ng this cover sl | neet.  |  |  |  |
| amended and are the basis for  | ed by ANNEXES, i.e., sheets of<br>this report and/or sheets contain<br>Administrative Instructions und | ning rectificat  | on, claims and/or drawings which have been ions made before this Authority (see Rule |  |  |  |
| These annexes consist of a tor   | tal of sheets.   |                  |  |  |  |  |
| This report contains indications relating to the following items:  |  |                  |  |  |  |  |
| Basis of the report  | _  |                  |  |  |  |  |
| II Priority  |  |                  |  |  |  |  |
| III Non-establishment o  | of opinion with regard to novelty  | , inventive ste  | p and industrial applicability   |  |  |  |
| IV Lack of unity of inve   | ention   |                  |  |  |  |  |
| V Reasoned statement citations and explana   | under Article 35(2) with regard ations supporting such statement                                       | to novelty, inv  | rentive step or industrial applicability;  |  |  |  |
| VI Certain documents c   | VI Certain documents cited   |                  |  |  |  |  |
| VII Certain defects in the international application   |  |                  |  |  |  |  |
| VIII Certain observations on the international application   |  |                  |  |  |  |  |
|  |  |                  |  |  |  |  |
| Date of submission of the demand   | Date of  | `completion of   | f this report  |  |  |  |
| 24 January 2000 (24.0)   | 1.00)  | 08 !             | May 2000 (08.05.2000)  |  |  |  |
| Name and mailing address of the IPEA/JP  | Author   | ized officer     |  |  |  |  |
| Facsimile No.  | Telepho  | one No.          |  |  |  |  |

#### International application No.

#### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

#### PCT/JP99/04609

| pages  | I. Basi       | is of the re           | eport   |
|--|---------------|------------------------|---|
| the description: pages p | 1. Wit        | th regard to           | o the elements of the international application:*   |
| pages  | $\boxtimes$   | the inte               | emational application as originally filed   |
| pages  |               | the des                | scription:  |
| pages  | I             |                        | ·   |
| the claims: pages  |               | pages                  | , filed with the demand   |
| the claims:  pages |               | pages                  | , filed with the letter of  |
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| pages  |               | ,                      |   |
| pages  | l             |                        | , as amended (together with any statement under Article 19  |
| pages  |               | pages                  |   |
| the drawings: pages  |               | pages                  | , filed with the letter of  |
| pages  |               | the dra                |   |
| pages  |               | •                      |   |
| the sequence listing part of the description:  pages  pages  pages  filed with the letter of  [Index with the letter of pages and pages  |               |                        |   |
| the sequence listing part of the description:  pages   |               |                        | filed with the letter of  |
| pages  |               | <br>1                  |   |
|  | ال            |                        |   |
| with regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.  These elements were available or furnished to this Authority in the following language which is:  the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).  the language of publication of the international application (under Rule 48.3(b)).  the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).  With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:  contained in the international application in written form.  filed together with the international application in computer readable form.  furnished subsequently to this Authority in computer readable form.  furnished subsequently to this Authority in computer readable form.  The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.  The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.  The amendments have resulted in the cancellation of:  the description, pages  |               |                        | , as originally filed   |
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| the description, pages   |               | internat:              | tional application as filed has been furnished.   |
| the description, pages   |               | The starbeen fur       | tement that the information recorded in computer readable form is identical to the written sequence listing has rnished.  |
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| beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**  * Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).  |               | t'                     | the drawings, sheets/fig  |
| in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).   | 5.            | This repe              | ort has been established as if (some of) the amendments had not been made, since they have been considered to go the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**                                |
| •  | in thi        | us report              | heets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 |
|  | '* Any r      | eplaceme               | nt sheet containing such amendments must be referred to under item 1 and annexed to this report.  |



### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

PCT/JP99/04609

| Statement  |        |  |                  |
|--|--------|--|------------------|
| Novelty (N)  | Claims | 1-8  | YE               |
|  | Claims |  | NO NO            |
| Inventive step (IS)                                      | Claims | 1-8  | YE               |
|  | Claims |  | NO               |
| Industrial applicability (IA)                            | Claims | 1-8  | YE               |
|  | Claims |  | NO               |
| Citations and explanations                               |        |  |                  |
| Claims 1 through 8                                       |        |  |                  |
| The inventions relating to<br>the ISR, nor are they obvi |        | re not described in any of the d in the art. | ocuments cited i |
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PCT/JP99/04609

#### PATENT COOPERATION TREATY

#### PCT

# NOTIFICATION OF TRANSMITTAL OF COPIES OF TRANSLATION OF THE INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Rule 72.2)

#### From the INTERNATIONAL BUREAU

To:

JODAI, Tetsuji Sumitomo Electric Industries, Ltd. 1-3, Shimaya 1-chome Konohana-ku, Osaka-shi Osaka 554-0024 JAPON



Date of mailing (day/month/year)

17 January 2001 (17.01.01)

Applicant's or agent's file reference

099119WO00

International application No. PCT/JP99/04609

IMPORTANT NOTIFICATION

International filing date (day/month/year)
26 August 1999 (26,08.99)

Applicant

SUMITOMO ELECTRIC INDUSTRIES, LTD. et al

#### 1. Transmittal of the translation to the applicant.

The International Bureau transmits herewith a copy of the English translation made by the International Bureau of the international preliminary examination report established by the International Preliminary Examining Authority.

2. Transmittal of the copy of the translation to the elected Offices.

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following elected Offices requiring such translation:

AU, CN, US

The following elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

GB,JP,KR

3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report.

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned (Rule 7 1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

Eliott Peretti

Telephone No. (41-22) 338.83.38

3776004

Facsimile No. (41-22) 740.14.35 Form PCT/IB/338 (July 1996)

## PATENT COOPERATION TREATY 09 / 763025

### **PCT**

#### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

· (PCT-Article 36 and Rule 70)

| Applicant's or agent's file reference 099119WO00   | FOR FURTHER ACTION   |  | ionofTransmittalofInternational Preliminary<br>Report (Form PCT/IPEA/416)           |
|--|--|--|---|
| International application No. PCT/JP99/04609   | International filing date (day/m<br>26 August 1999 (26.0   | •  | Priority date (day/month/year) 31 August 1998 (31.08.98)                            |
| International Patent Classification (IPC) or n<br>C03B 8/04, 19/14, 20/00, 37/014  | ational classification and IPC   | ,,,,   | 31 1 ragast 1376 (31.00,70)   |
| Applicant  | ITOMO ELECTRIC INDU  | JSTRIES, I   | LTD.  |
| and is transmitted to the applicant ac  2. This REPORT consists of a total of  This report is also accompaniamended and are the basis for  | cording to Article 36.  sheets, including sheets of this report and/or sheets contain Administrative Instructions unde | g this cover sh<br>the description<br>ing rectificat | n. claims and/or drawings which have been ions made before this Authority (see Rule |
| I.ack of unity of inverse in the I.ack of unity of inverse in I.ack of unity of inverse inverse inverse in I.ack of unity of inverse inver | f opinion with regard to novelty, intion under Article 35(2) with regard to the supporting such statement              |  | p and industrial applicability rentive step or industrial applicability;            |
| Date of submission of the demand 24 January 2000 (24.01)   |  | completion of  | this report May 2000 (08.05.2000)   |
| Name and mailing address of the IPEA/JP  | Authoriz   | ed officer   |   |
| Facsimile No.  | Telepho  | ne No.   |   |

Form PCT/IPEA/409 (cover sheet) (July 1998)

International application No.

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#### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

| PCT/ | JP99 | /04609 |
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|------|------|--------|

| I. Basis       | is of the report   |   |
|----------------|--|---|
| l'. With       | th regard to the elements of the international application;*   |   |
|                | the international application as originally filed  |   |
|                | the description:   |   |
|                | pages  | , as originally filed   |
|                | pages  | , filed with the demand   |
| į.             | pages, file  | d with the letter of  |
|                | the claims:  |   |
|                | pages  | , as originally filed   |
| ļ              | pages  | as amended (together with any statement under Article 19  |
| 1              | pages  | , filed with the demand   |
| ļ              | pages, file  | d with the letter of  |
|                | the drawings:  | :   |
|                | bases  | , as originally filed   |
|                | pages  | , filed with the demand   |
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| l 👝.           | the sequence listing part of the description:  |   |
| . ت            |  | , as originally filed   |
| Ţ              | pages  | , filed with the demand   |
| ł              | pages file   | rd with the letter of   |
| the ic         | th regard to the language, all the elements marked above were availated international application was filed, unless otherwise indicated under the elements were available or furnished to this Authority in the followers. | his item.<br>ving language which is:  |
|                | the language of a translation furnished for the purposes of internet   |   |
|                | the language of publication of the international application (under  |   |
|                | the language of the translation furnished for the purposes of inte or 55.3).   |   |
| 3. With prelif | ith regard to any nucleotide and/or amino acid sequence disc<br>eliminary examination was carried out on the basis of the sequence list  | losed in the international application, the international ing:  |
|                | contained in the international application in written form.  |   |
|                | filed together with the international application in computer readal   | ble form.   |
|                | furnished subsequently to this Authority in written form.  |   |
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|                | The statement that the subsequently furnished written seque international application as filed has been furnished.   |   |
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| 4.             | The amendments have resulted in the cancellation of:   |   |
| į              | the description, pages   |   |
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| 5.             | This report has been established as if (some of) the amendments to beyond the disclosure as filed, as indicated in the Supplemental Bo   | had not been made, since they have been considered to go ax (Rule 70.2(c)).**   |
| in th          | placement sheets which have been furnished to the receiving Office in<br>this report as "originally filed" and are not annexed to this rep<br>170.17)  | n response to an invitation under Article 14 are referred to<br>port since they do not contain amendments (Rule 70.16 |
|                | v replacement sheet containing such amendments must be referred to t   | under item 1 and annexed to this report.  |

Form PCT/IPEA/409 (Box I) (July 1998)

international application No.

| Statement                     |        |     |                                       |
|-------------------------------|--------|-----|---------------------------------------|
| Novelty (N)                   | Claims | 1-8 | YE                                    |
|                               | Claims |     | NO.                                   |
| Inventive step (IS)           | Claims | 1-8 | Y£                                    |
|                               | Claims |     | NO.                                   |
| Industrial applicability (IA) | Claims | 1-8 | Ϋ́                                    |
|                               | Claims |     | NC NC                                 |
| Citations and explanations    |        |     | · · · · · · · · · · · · · · · · · · · |
| Claims 1 through 8            |        |     |                                       |
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